

Abstract

A radio transmission power control circuit includes a radio frequency (rf) downconverter that produces a downconverter output representative of the difference between a first downconverter input based on a transmitted signal of a radio transmitter and a second downconverter input based on a local oscillator signal. A receiver baseband circuit processes the downconverter output to produce an analog power signal representative of the transmitted signal. A digital to analog converter converts the analog power signal to a representative digital power signal. A feedback control circuit produces a transmitter gain control signal to control transmitted signal power so as to minimize the difference between the digital power signal and a power reference signal.

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